

**To:** Vann, Bradley[Vann.Bradley@epa.gov]  
**From:** Kiefer, Robyn V NWK  
**Sent:** Tue 1/19/2016 6:18:05 PM  
**Subject:** Comments on Pb210 article and other research  
LeadStudy2015-WestLake with USACE notes.docx  
Pb210 Persson & Holm.pdf

Brad:

Attached are our comments on the PB210 article. Sorry for the format (review comments imbedded), but I'm short on time. If you need this in another format, let me know, but I didn't want to slow down getting this to you.

Also, Jough identified an article titled "Polonium-210 and Lead-210 in the Terrestrial environment: A historical review" by Persson and Holm that lists a range of Pb210 in surface sediment (Table 1, page 14) of 600 Bq/kg +/- 300 Bq/kg (mentioned in last week's call). When compared to the journal article's Pb210 findings, the authors found that the highest Pb210 reading at West Lake (sample BT8) was 350 Bq/Kg, which falls within the 600+/- 300 Bq/Kg range. This document by Persson and Holm appears to have been presented at a conference in Oct 2009.

There are some other articles referenced in the attached Persson & Holm article that might have some valuable info; however, we have not had time to review these.

Let me know if you have questions.

Thanks,  
Robyn

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